

# energized

Volume 5

THE MONTHLY NEWSLETTER FOR ENERGY MANAGERS AND PUBLIC AFFAIRS OFFICERS

Issue 8

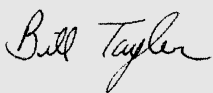
## Message To Energy Managers:

October, Energy Awareness Month, is just around the corner. The DON Energy Program has produced a variety of materials this year to support your energy awareness events. Take full advantage of them to produce an "energized" month.

The Energy Manager's CD-ROM contains the *Energy Manager's Energizing Guide*, which is also available on the Navy Energy web site, full of ideas on setting up and running energy events. A Children's Energy and Water Fun Kit is also being sent for the Youth Centers. Make sure that the conservation message reaches all age groups.

Concluding our series on last year's SECNAV award winners, we are highlighting Marine Corps Air Station Yuma and USS HARPERS FERRY as the featured energy winners. With the Issue 10 newsletter, we will start recognizing this year's energy award winners.

Sincerely,



William F. Taylor  
Navy Shore Energy  
Program Manager

## Kids Saving Energy and Water, and Having Fun Doing It

*New Fun Kit Helps Them Have Fun*

Kids are the key to the future. The children of Navy and Marine Corps personnel may also be the key to creating change on base. Their energy and enthusiasm can be funneled to changing the bad habits of members of an older generation, who are often set in their wasteful ways. The Department of the

Navy's Energy Program has developed a Children's Energy and Water Fun Kit on CD-ROM designed to educate and entertain the younger generation around energy and water topics.

Magic, mystery, and mythology enthrall and captivate everyone, whether two years old or 99 years old. The Children's Fun Kit taps into this theme to make plunging into the world of energy and water conservation and efficiency a fun and thrilling experience.

Coloring book pages, a comic book on the ozone layer, crossword puzzlers, word search puzzlers, mazes, a PICLISH (Picture/English) Rebus puzzler, "Magic Show" and "Good Book of Spells" reading materials and more provide fun activities for all age groups, while reinforcing



energy and water conservation and efficiency messages. Don't be surprised to find evidence of the Fun Kit all around base. The Kit includes designs to print out T-shirt transfers, and stickers packed full of wizards and warlocks, dragons, monsters, magic potions, flying horses and unicorns, centaurs, and fairies. Other

topics, such as sports, are included as well. The Youth Center needs to provide minimal supplies, such as copy paper, common office supply labels, and T-shirt transfer paper.

The DON Energy Program has also developed two posters. One poster is designed for very young children to color and "sticker", while searching for energy-use areas, such as lamps or light switches. These posters come with a box of non-toxic crayons and a sheet of colorful stickers.

The other poster was developed with the pre-teen in mind. It is a bright and colorful wall poster depicting a wizard performing energy-saving magic!

The CD-ROM Fun Kit and posters will be distributed in September to bases for delivery to the

*Continued on page 3*

**DON Energy Awareness Website:** Access the tools on the Navy Energy website for ideas, planning tips, and tools. Set your browser to <http://energy.navy.mil> and scroll down the left-hand column to the Awareness pick.

## SECNAV ENERGY AWARD WINNERS

Marine Corps Air Station (MCAS) Yuma is the winner of the 1999 Secretary of the Navy Energy Award in the Marine Corps Small Shore Category—receiving a monetary award of \$30,000 and the privilege of flying the SECNAV energy flag for one year.

MCAS Yuma reduced its energy consumption 26% per square foot in FY 1998 compared to the 1985 baseline year.

Under a station utility contract with Arizona Public Service, Yuma retrofitted more than 2,000 light fixtures with 4,500 energy-efficient light bulbs. The Station has a very active Energy Conservation and

## MARINE CORPS AIR STATION YUMA ACHIEVES NEW HEIGHTS OF EFFICIENCY

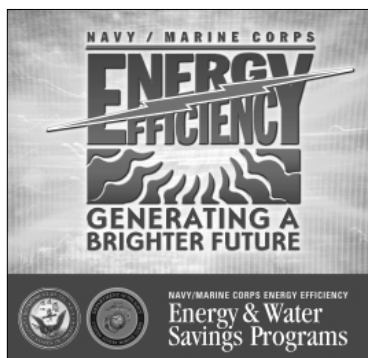
Awareness Program staffed by a full-time Energy Manager and Station Energy Monitor.

Yuma's 1997 and 1998 centrally programmed projects total more than \$2,000,000 with an annual cost savings of \$731,000. Locally funded projects totaling \$24,000 are saving \$12,500 a year. These pro-

jects include installing premium efficient motors, LED exit signs, compact fluorescents, and waterless urinals, and conducting bicycle patrol energy monitoring and inspections.

For more information, contact Ron Durfey at 520-341-2734.

## ENERGY MANAGER'S CD-ROM



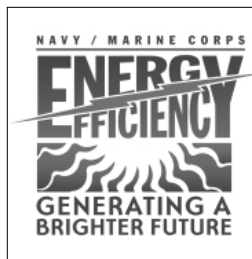
ity of these materials have been placed on a CD-ROM and mailed as part of this year's energy awareness promotional materials. Check out the CD to see these new items, as well as a number of those materials from the web site.

One new addition is the *Building Energy Monitors Guide*. Use it to start up a Building Energy Monitor (BEM) program, or reinforce an existing program. The *Guide* covers BEM responsibilities and pro-

vides an overview of energy and water efficiency opportunities. A BEM checklist is included in this 24-page guide, which is in Word 97 format so that you may tailor it to better suit your monitors and the specific conditions of your activity.

Also on the Energy Manager's CD-ROM is the 241-page *DOD Energy Manager's Handbook*, produced in November 1996, available in Portable Document Format (PDF). You'll also find the new DON energy logo image with this year's "Generating a Brighter Future" slogan to incorporate in your documents, e-mails, presentations, etc.

Energy Technology Data Sheets, energy and water documents, and FEMP's *Buying Energy Efficient Products* binder



New Energy Logo



Continued on page 3



## SECNAV ENERGY AWARD WINNERS

USS HARPERS FERRY is the winner of the 1999 Secretary of the Navy Energy Award in the Large Ship Category – receiving a monetary award of \$30,000 and the privilege of flying the SECNAV energy flag for one year.

USS HARPERS FERRY (LSD-49) saved more than one million gallons of fuel in FY 1998, worth nearly \$750,000. Actual fuel consumption of 1,511,703 gallons represents a cost avoidance of 46% when compared to the expected fuel consumption—derived from calculations of the Ship Energy Conservation Assist Team (SECAT) fuel consumption curves, fuel burn rate, and plant configuration data.

Energy saving initiatives include a proactive maintenance program, and regular updates of fuel consumption curves using NAVSEA Ship Energy Conservation Assistance Program software to maximize efficiency. In coordination with the City of San Diego, HARPERS FERRY implemented a load shedding plan to reduce the ship's energy usage during peak hours.

USS  
HARPERS  
FERRY  
(LSD-49)  
SAVES NEARLY  
\$750,000

HARPERS FERRY uses instructions such as "The Guide for Energy Conservation, Shipboard Application" as tools for evaluating ship performance.

The HARPERS FERRY crew considered liquid loading and its impact on energy conservation. Liquid transfers were closely coordinated and a counter ballasting technique was consistently used to maintain proper ship orientation.

The importance of energy conservation is stressed to all personnel through quarterly training tailored to each watchstation and work center. Newly reporting personnel are trained during indoctrination class.

Command is strongly committed to effective energy management. Innovative ideas and energy concerns from the deck plates are strongly encouraged and promptly addressed by the leadership.

The ship received energy conservation incentive awards totaling \$8,700 in fiscal year 1998, setting an example for other ships in the fleet.

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didn't make it on the CD-ROM either because of space limitations or because they quickly become out-of-date, but the CD-ROM points you to the web sites where you can access them.

Having fun is the most successful way to motivate others to conserve our natural resources. Consequently, the Energy Manager's CD-ROM contains the Children's Energy and Water Fun Kit, as well as original items, such as new crossword puzzlers, developed just for your program.

The CD-ROM includes the following materials from the web site, all available in Microsoft Word:

**Energy Manager's Energizing Guide**

*175 Tips to Save Energy*

**Myths & Reality**

*Did You Know...*

*What It Costs to Run Appliances Chart*

**365 Energy and Water Facts**

*Motivational Quotes*

**Tips & Clips**

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*Continued from page 1*

### ***Kids Saving Energy and Water, and Having Fun Doing It***

base Youth Centers. You may be chosen to receive this package and requested to deliver it to the Youth Center. Whether you receive it will depend on the size of your base and the number of Energy Managers and Youth Centers on base.

Whether or not you are chosen to help with distribution, if you work with youth, contact the Director of your Youth Center to coordinate the use of the Fun Kit and posters, which are both valuable learning tools as well as a basis for fun activities. Make sure the Youth Center staff understands the importance of widespread use in October. After all, October is timely for a number of reasons. First and foremost, October is Energy Awareness Month, a special time of year to provide instruction on and reinforce energy efficiency and conservation messages. The last full week, 23-27 October, is Energy Awareness Week. At the very end of October is Halloween. The Fun Kit contains materials on haunted houses, wizards, witches and warlocks, dragons, etc. to help celebrate this fun holiday.





## Check it Out

### *The Sustainable Design Resource Guide*

Gone are the days when energy efficiency is your only preoccupation. Now there's renewable energy, water conservation, and the many facets of sustainable development, including reducing material use, recycling, reusing, and specifying products with recycled content. The good news is that it's becoming easier to locate products in these areas. For example, check out the online version of *The Sustainable Design Resource Guide*, produced by the Denver chapter of the American Institute of Architects and the Colorado chapter of Architects, Designers, and Planners for Social Responsibility. Set your browser to <http://www.aiacolorado.org/SDRG/home.htm>.

The introduction contains summaries of sustainable design concepts and useful checklists. The main body of the *Guide* is organized according to most of the 16 divisions of the Construction Specifications Institute: 1) General Requirements; 2) Sitework; 3) Concrete; 4) Masonry; 5) Metals; 6) Wood & Plastic; 7) Thermal & Moisture; 8) Doors & Windows; 9) Finishes; 10) Specialties; 11) Equipment; 12) Furnishings; 13) Special Construction; 14) Mechanical; and 16) Electrical. Each division is prefaced by an introduction that outlines specific concerns related to the products and systems in that division. This is followed by product listings and information designed to help you purchase or specify sustainable building products.

The *Guide*, which has assembled suppliers located in the Rocky Mountain Region, will be of greatest value to activities in this geographical area. Anyone interested in sustainable products will find the *Guide* useful, nonetheless, because it also contains the headquarters of many manufacturers located throughout the United States.

Don't miss "Additional Resources" for an extensive list of organizations, publications, and computer software to help you design and build sustainably.

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## Watts News? We want to hear from you.

*Tell us about the energy initiatives you're working on, the problems you encounter, and the solutions you discover.*

Submit article ideas, comments, or questions to:

Dean Ryan Consultants & Designers, Inc.  
1733 King Street, Third Floor  
Alexandria, VA 22314  
phone: 703-548-8115  
fax: 703-548-6855  
e-mail: [lippertj@deanryan.com](mailto:lippertj@deanryan.com)

*Be sure to include your name and commercial phone number.*

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NAVY / MARINE CORPS

# ENERGY EFFICIENCY

Department of the Navy  
Commanding Officer  
NFESC  
Code: ESC 22  
1100 23rd Avenue  
Port Hueneme, CA 93043-4370